## **CLAIMS**

5

## WHAT IS CLAIMED IS:

- 1. A medical article comprising an implantable substrate having a coating, the coating comprising a first biologically erodable polymer having the glass transition temperature below about -50°C.
  - 2. The medical article of Claim 1, wherein the first polymer includes poly(esters).
  - 3. The medical article of Claim 1, wherein the first polymer is poly(caprolactone).
- 4. The medical article of Claim 1, wherein the first polymer is selected from a group consisting of poly(4-hydroxybutyrate), poly(3-hydroxyvalerate), poly(3-
- 10 hydroxybutyrate-co-3-hydroxyvalerate), and mixtures thereof.
  - 5. The medical article of Claim 1, additionally including a biologically erodable polymeric additive mixed with the first polymer, wherein the additive is a polymer having the glass transition temperature of about -50°C or greater.
- 6. The medical article of Claim 1, wherein the additive is a polymer having the glass transition temperature between about -50°C and about 80°C.
  - 7. The medical article of Claim 1, wherein the additive is a polymer having the glass transition temperature between about -20°C and about 40°C.
  - 8. The medical article of Claim 1, wherein the additive is a polymer having the glass transition temperature between about 0°C and about 20°C.

24

5

10

- 9. The medical article of Claim 1, additionally including a biologically erodable polymeric additive mixed with the first polymer, wherein the additive is a polymer having a degree of crystallinity greater than that of the first polymer.
- 10. The medical article of Claim 1, additionally including a biologically erodable polymeric additive mixed with the first polymer, wherein the additive is selected from a group consisting of poly(3-hydroxybutyrate), poly(L-lactide), poly(D,L-lactide), poly(L-lactide-co-D,L-lactide), poly(glycolide-co-L-lactide), poly(glycolide-co-D,L-lactide), poly(caprolactone-co-L-lactide), poly(caprolactone-co-D,L-lactide), poly(trimethylene carbonate), copolymers of trimethylenecarbonate, poly(orthoesters), tyrosine derived poly(carbonates), poly(iminocarbonates), poly(ester-amides), and mixtures thereof.
  - 11. The medical article of Claim 1, wherein the medical article is a stent.
  - 12. The medical article of Claim 1, wherein the mass ratio between the first polymer and the polymeric additive is between about 9:1 and about 0.16:1.
- 13. The medical article of Claim 1, wherein the mass ratio between the first polymer and the polymeric additive is between about 6:1 and about 0.25:1.
  - 14. The medical article of Claim 1, wherein the mass ratio between the first polymer and the polymeric additive is between about 3:1 and about 0.33:1.
  - 15. The medical article of Claim 1, wherein the coating additionally comprises a therapeutic substance.
- 20 16. The medical article of Claim 1, wherein the coating is a topcoat layer disposed over a drug reservoir layer for reducing the rate of release of a drug from the reservoir layer.

5

- 17. A method for fabricating a medical article, the method including depositing a coating on at least a portion of an implantable substrate, the coating including a first biologically erodable polymer having the glass transition temperature below about -50°C.
  - 18. The method of Claim 17, wherein the first polymer includes poly(esters).
  - 19. The method of Claim 17, wherein the first polymer includes poly(esters).
    - 20. The method of Claim 17, wherein the first polymer is poly(caprolactone).
- 21. The medical article of Claim 1, wherein the first polymer is selected from a group consisting of poly(4-hydroxybutyrate), poly(3-hydroxyvalerate), poly(3-hydroxyvalerate), poly(3-hydroxyvalerate), and mixtures thereof.
- 10 22. The method of Claim 17, additionally mixing a biologically erodable polymeric additive mixed with the first polymer, wherein the additive is a polymer having the glass transition temperature of about -50°C or greater.
  - 23. The method of Claim 17, wherein the additive is a polymer having the glass transition temperature between about -50°C and about 80°C.
- 15 24. The method of Claim 17, wherein the additive is a polymer having the glass transition temperature between about –20°C and about 40°C.
  - 25. The method of Claim 17, wherein the additive is a polymer having the glass transition temperature between about 0°C and about 20°C.

- 26. The method of Claim 17, additionally mixing a biologically erodable polymeric additive mixed with the first polymer, wherein the additive is a polymer having a degree of crystallinity greater than that of the first polymer.
- 27. The method of Claim 17, additionally mixing a biologically erodable

  5 polymeric additive mixed with the first polymer, wherein the additive is selected from a group consisting of poly(3-hydroxybutyrate), poly(L-lactide), poly(D,L-lactide), poly(L-lactide-co-D,L-lactide), poly(glycolide-co-D,L-lactide), poly(glycolide-co-D,L-lactide), poly(caprolactone-co-L-lactide), poly(caprolactone-co-D,L-lactide), poly(trimethylene carbonate), copolymers of trimethylenecarbonate, poly(orthoesters), tyrosine derived

  10 poly(carbonates), poly(iminocarbonates), poly(ester-amides), and mixtures thereof.
  - 28. The method of Claim 17, wherein the medical article is a stent.
  - 29. The medical article of Claim 17, wherein the mass ratio between the first polymer and the polymeric additive is between about 9:1 and about 0.16:1.
- The method of Claim 17, wherein the mass ratio between the first polymer and the polymeric additive is between about 6:1 and about 0.25:1.
  - 31. The method of Claim 17, wherein the mass ratio between the first polymer and the polymeric additive is between about 3:1 and about 0.33:1.
  - 32. The method of Claim 17, wherein the coating additionally including incorporating a therapeutic substance in the coating.